Please enter the attached Abstract of the Disclosure on the attached page as new page 86.

In the Claims

Amend claims 8, 16, 18, 21, 24, 27, and 31 as follows.

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8. (Amended) An isolated protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66, and 67.

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16. (Amended) A protein prepared by the method of claim 37.

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18. (Amended) The antibody according to claim 38 labeled with a detectable substance and used to detect the protein in biological samples, tissues, and cells.

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21. (Amended) A method according to claim 40 wherein the condition is cancer.

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24. (Amended) A method for detecting a nucleic acid molecule encoding a protein comprising an amino acid sequence of SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66, or 67 in a biological sample comprising the steps of:

(a) hybridizing a nucleic acid molecule of claim 32 to nucleic acids of the biological sample, thereby forming a hybridization complex; and

(b) detecting the hybridization complex wherein the presence of the hybridization complex correlates with the presence of a nucleic acid molecule encoding the protein in the biological sample.

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27. (Amended) A method according to claim 44 wherein the condition is cancer.

B8

31. (Amended) A transgenic animal assay system which provides a model system for testing for an agent that reduces or inhibits a KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5, or KLK-L6 protein associated pathology comprising:

(a) administering the agent to a transgenic non-human animal according to claim 43; and

(b) determining whether said agent reduces or inhibits a KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5, or KLK-L6 protein associated pathology in the transgenic non-human animal relative to a transgenic non-human animal of step (a) which has not been administered the agent.

Kindly add new claims 32-45 as follows.

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32. The isolated nucleic acid molecule according to claim 1 which comprises:

(i) a nucleic acid sequence encoding a protein having substantial sequence identity with an amino acid sequence of a KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5, or KLK-L6 protein as shown in SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66, or 67, respectively;

(ii) a nucleic acid sequence encoding a protein comprising an amino acid sequence of a KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5, or KLK-L6 protein as shown in SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66, or 67, respectively;

(iii) nucleic acid sequences complementary to (i);

(iv) a degenerate form of a nucleic acid sequence of (i);

(v) a nucleic acid sequence capable of hybridizing under stringent conditions to a nucleic acid sequence in (i), (ii) or (iii);

(vi) a nucleic acid sequence encoding a truncation, an analog, an allelic or species variation of a protein comprising an amino acid sequence of a KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5, or KLK-L6 protein as shown in SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66, or 67, respectively; or

B9 cont.

(vii) a fragment, or allelic or species variation of (i), (ii) or (iii).

33. The isolated nucleic acid molecule according to claim 1 which comprises:

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(i) a nucleic acid sequence comprising the sequence of SEQ ID NO: 1, 13, 21, 43, 56, or 65 wherein T can also be U;

(ii) nucleic acid sequences complementary to (i), preferably complementary to the full nucleic acid sequence of SEQ ID NO: 1, 13, 21, 43, 56, or 65;

(iii) a nucleic acid capable of hybridizing under stringent conditions to a nucleic acid of (i) or (ii) and preferably having at least 18 nucleotides; or

(iv) a nucleic acid molecule differing from any of the nucleic acids of (i) to (iii) in codon sequences due to the degeneracy of the genetic code.

34. A regulatory sequence of ~~an~~ isolated nucleic acid molecule of claim 32 fused to a nucleic acid which encodes a heterologous protein.

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35. A vector comprising a nucleic acid molecule of claim 32.

36. A host cell comprising a nucleic acid molecule of claim 32.

37. A method for preparing a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66, and 67 comprising:

(a) transferring a vector of claim 35 into a host cell;

(b) selecting transformed host cells from untransformed host cells;

(c) culturing a selected transformed host cell under conditions which allow expression of the protein; and

(d) isolating the protein.

38. An antibody having specificity against an epitope of a polypeptide or protein of claim 8.

39. A probe comprising a sequence encoding a protein of claim 8 or a part thereof.

40. A method of diagnosing and monitoring conditions mediated by a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66, and 67 by determining the presence of a nucleic acid molecule of claim 1 encoding the protein or determining the presence of said protein.

41. A method for identifying a substance which associates with a protein of claim 8 comprising:

(a) reacting the protein with at least one substance which potentially can associate with the protein, under conditions which permit the association between the substance and protein; and

(b) removing or detecting protein associated with the substance, wherein detection of associated protein and substance indicates the substance associates with the protein.

42. A method for evaluating a compound for its ability to modulate the biological activity of a protein of claim 8 comprising providing a known concentration of the protein with a substance which associates with the protein and a test compound under conditions which permit the formation of complexes between the substance and protein, and removing and/or detecting complexes.

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43. A method of treating a condition mediated by a protein that comprises an amino acid sequence selected from the group consisting of SEQ ID NO: 2, 3, 14, 22, 23, 44, 45, 57, 58, 59, 60, 66 and 67 comprising administering an effective amount of a composition selected from the group consisting of:

(a) an antibody having specificity against an epitope of said protein; and

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(b) a substance or compround identified by the method of one of claims claim 41 or 42.

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44. A composition comprising a compound selected from the group consisting of:

(a) a nucleic acid molecule of claim 1;

(b) a protein of claim 8; or

(b) a substance or compround identified by the method of one of claims claim 41 or 42,

said composition further comprising a pharmaceutically acceptable carrier, excipient or diluent.

45. A transgenic non-human mammal which does not express a KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5, or KLK-L6 protein of claim 8, resulting in a KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5, or KLK-L6 protein associated pathology, respectively.